Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

PVC

Jameco Part Number 234202 (9919-002-100)

UL AWM Style 1007 300V, 80°C

(JQA-F-)

VW-1

Product Description

Tinned copper, PVC insulated. Rated 80°C, 300V. Rated 600V peak for electronic circuits, and internal wiring of electronic and electrical equipment.

UL and CSA Dual-Rated Wire

UL AWM Style 1007 — 300V, 80°C
(CSA Type TR-64, 90°C)

UL AWM Style 1569 — 300V, 105°C
(CSA Type TRSR-64, 105°C)

(JQA-F- [except 9989])

VW-1

Product Description

Tinned copper, PVC insulated. Rated 105°C, 300V. Rated 600V peak for electronic circuits, and internal wiring of electronic and electrical equipment.

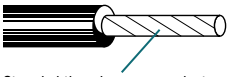
UL AWM Style 1007 300V, 80°C

(CSA Type TR-64, 90°C)

(JQA-F-)

VW-1

Recommended maximum baking cycles:
24 hours @ 300°F (149°C)



Stranded tinned copper conductor
(Uni-Strand®)

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
300V, 80°C (UL)										
UL AWM Style 1007 • JQA-F-										
9930	30 (7x38)	.015	.38	.044	1.12	100	30.5	.2	.1	1–5, 7–10, 13
						1000	304.8	2.0	.9	1–5, 7–10, 13
Dual-Rated • 300V, 80°C and 300V, 105°C (UL & CSA)										
UL AWM Style 1007 and 1569 • CSA Types TR-64 and TRSR-64 • JQA-F-										
9928	28 (7x36)	.015	.38	.047	1.19	100	30.5	.2	.1	1–5, 7, 9, 10, 13
						1000	304.8	2.0	.9	1–5, 7–10, 13
						5000	1524.0	10.0	4.5	1–5, 7– 10, 13
9926	26 (7x34)	.015	.38	.051	1.30	100	30.5	.2	.1	1–5, 7–10, 13
						1000	304.8	3.0	1.4	1–5, 7–10, 13
						5000	1524.0	10.0	4.5	1–5, 7–10, 13
9923	24 (7x32)	.015	.38	.056	1.42	100	30.5	.3	.1	1–5, 7–10, 13
						1000	304.8	4.0	1.8	1–5, 7–10, 13
						5000	1524.0	15.0	6.8	1–5, 7–10, 13
9921	22 (7x30)	.015	.38	.062	1.57	100	30.5	.4	.2	1–10, 13
						1000	304.8	5.0	2.3	1–10, 13
						5000	1524.0	20.0	9.1	1–10, 13
9919	20 (7x28)	.015	.38	.069	1.75	100	30.5	.7	.3	1–5, 7–10, 13
						1000	304.8	6.0	2.7	1–5, 7–10, 13
9920	20 (10x30)	.015	.38	.067	1.70	1000	304.8	6.0	2.7	1–10, 13
						5000	1524.0	25.0	11.4	1–10, 13
9918	18 (16x30)	.015	.38	.079	2.01	100	30.5	.9	.4	1–10, 13
						1000	304.8	8.0	3.6	1–10, 13
						5000	1524.0	40.0	18.2	1–10, 13
9916	16 (26x30)	.015	.38	.092	2.34	100	30.5	1.3	.6	1–5, 7–10, 13
						1000	304.8	12.0	5.5	1–5, 7–10, 13
						5000	1524.0	55.0	25.0	1–5, 7–10, 13
UL AWM Style 1569 • CSA Type TR-64 and TRSR-64										
9989	14 (41x30)	.015	.38	.110	2.79	1000	304.8	17.0	7.7	1–5, 7–10, 13
						5000	1524.0	85.0	38.6	1–5, 7–10, 13
300V, 80°C (UL) • **300V, 90°C** (CSA)										
UL AWM Style 1007 • CSA Type TR-64 • JQA-F-										
32822	22 (7x30) [.36 (7x.25)]	.015	.38	.062	1.58	5000†	1524.0	25.0	11.4	1–5, 7–9, 10, 13
32820	20 (7x28) [.56 (7x.32)]	.015	.38	.068	1.73	5000†	1524.0	30.0	13.6	9, 10

†Spools may contain more than one piece. Length may vary ±10% from length shown.

Technical Information

Insulation Characteristics and Color Codes

Table 1: Insulation Characteristics

Insulation	Temperature Rating	UL Voltage Rating (Volts)	Oil Resistance	Ozone Resistance	Abrasion	Flame Resistance
Neoprene	90°C	300/600	Good	Good	Good	Good
PVC	80°C	300	Good–Excellent	Good–Excellent	Good	Excellent
	105°C	600	Good–Excellent	Good–Excellent	Good	Excellent
Hypalon®	105°C	300/600	Good	Excellent	Good	Good
XL-Dur® Cross-Linked Polyethylene	105°C	300	Good	Good	Excellent	Fair-Good
	125°C	600	Good	Good	Excellent	Fair-Good
	150°C	600	Good	Good	Excellent	Fair-Good
EPDM	125°C	600	Fair–Poor	Good	Good	Fair
	150°C	600	Fair–Poor	Good	Good	Fair
Silicone Rubber	150°C	300	Fair	Good	Poor	Good
	200°C	600	Fair	Good	Poor	Good
Silicone Rubber Glass Braid	150°C	600	Fair	Excellent	Excellent	Good
	200°C	600	Fair	Excellent	Excellent	Good
Teflon®	150°C	300	Excellent	Excellent	Excellent	Excellent
	200°C	300	Excellent	Excellent	Excellent	Excellent
	260°C	300	Excellent	Excellent	Excellent	Excellent

Table 2: Lead Wire Color Code Chart

Color No.	Color Combination	Color No.	Color Combination	Color No.	Color Combination
1	Brown	**13**	Dark Blue	**25**	White/Black/Yellow
2	Red	**14**	White/Black	**26**	White/Black/Blue
3	Orange	**15**	White/Red	**27**	White/Black/Brown
4	Yellow	**16**	White/Green	**28**	White/Black/Orange
5	Green	**17**	White/Yellow	**29**	White/Black/Gray
6	Light Blue	**18**	White/Blue	**30**	White/Black/Violet
7	Violet	**19**	White/Brown	**189**	Green/Yellow
8	Gray (Slate)	**20**	White/Orange	**620**	Green/min. 30% Yellow
9	White	**21**	White/Gray	**876**	Nickel Gray
10	Black	**22**	White/Violet	**B02**	Purple
11	Tan	**23**	White/Black/Red		
12	Pink	**24**	White/Black/Green		

Non-Stock Colors: Non-stock colors and stripes of catalog items are available in minimum quantities. Price and delivery information is available upon request. Orders must be in multiples of standard packages.

Hypalon and Teflon are DuPont trademarks.